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On the elliptic equation $\Delta(u) + K(x)u^{((n+2)/(n-2))} = 0$, its generalizations, and applications in geometry. (English) [Zbl 0496.35036](#)

Indiana Univ. Math. J. 31, 493-529 (1982).

For a scan of this review see the [web version](#).

MSC:

35J60 Nonlinear elliptic equations

35A05 General existence and uniqueness theorems (PDE) (MSC2000)

35B05 Oscillation, zeros of solutions, mean value theorems, etc. in context of PDEs

53A30 Conformal differential geometry (MSC2010)

Cited in **11** Reviews
Cited in **193** Documents

Keywords:

scalar curvature; Riemannian metric; existence; positive solutions; method of barriers; nonlinear oscillation theory for differential inequalities; averaging method

Full Text: [DOI](#)